

Good Work Practice

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Title: Pre-Use Inspection Identifies Damaged Barbecue Gas Hose

Date: July 19, 2006

Identifier: 2006-RL-HNF-0029

Lessons Learned Summary: During a pre-use safety inspection of a gas barbecue grill it was discovered that the gas hose that runs from the regulator to the main burner had partially melted through. The pre-use inspection was performed as a result of a previously issued Fire Marshal Advisory Bulletin and a FH memorandum recommending that they be performed. This potentially dangerous situation could have led to a fire and/or personal injury.

Discussion of Activities: On July 17, 2006 a Fluor Hanford employee was performing a pre-use inspection on a gas barbecue. The employee was inspecting the hose that travels from the regulator to the main burner and found that the hose had contacted the bottom of the barbecue tub and had partially melted through. The regulator fitting at the tank had loosened up most likely due to a natural bend in the hose that caused the regulator assembly to move in an upward manner and allowed the feeder hose to contact the bottom of the casting. The barbecue was taken out of service and will be repaired.

Analysis: A "FIRE MARSHAL ADVISORY BULLETIN FOR THE USE OF BARBECUES ON THE HANFORD SITE", AB06-001, Rev 2, dated May 8th, 2006 provided the process for management authorization, pre-use inspection criteria, and annual permitting requirements for both gas and charcoal barbecue grills. Fluor Hanford issued a Memorandum on May 17, 2006 "GAS FIRED AND CHARCOAL FUEL GRILLS (BARBECUES) SAFETY ON THE HANFORD SITE" to Fluor Senior Staff supporting the Fire Marshalls Advisory Bulletin and recommending that barbecue unit inspections be integrated with the current Fluor Hanford (FH) Project's periodic safety inspections and documented in accordance with HNF-RD-7652, Safety and Health Inspections.

These actions resulted in the performance of the pre-inspection and subsequent discovery of the damaged and potentially dangerous barbecue hose.



Recommendations: Continue with pre-use inspections and when barbecue tanks are changed out ensure that they are returned to the exact orientation recommended by the manufacturer and that the hose assembly does not contact the casting or any other parts that will get hot.

Cost Savings/Avoidance: Not determined

Work Function: Fire Protection

Hazards: Fire/Smoke/NFPA

Keywords: Gas barbecue, hose, pre-use inspection

Originator: Fluor Hanford, Inc., Submitted by Larry Arnold

Contact: Project Hanford Lessons Learned Coordinator; (509) 372-2166; e-mail: PHMC_Lessons_Learned@rl.gov

References:

FIRE MARSHAL ADVISORY BULLETIN FOR THE USE OF BARBECUES ON THE HANFORD SITE, AB06-001, Rev 2, dated May 8th, 2006.

Fluor Memorandum "GAS FIRED AND CHARCOAL FUEL GRILLS (BARBECUES) SAFETY ON THE HANFORD SITE", dated May 17, 2006

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